

What is claimed is:

1. A method for forming spacers on a substrate, said method comprising the following steps of:

5                   providing a mould with a plurality of trenches;  
                  locating a plurality of spacers on said mould;  
                  vibrating said mould to make said spacers fall into said trenches;  
                  coating a glue on a first substrate;  
                  bringing said first substrate into contact with said mould to make  
10                said spacers adhere to said first substrate; and  
                  removing said spacers from said trenches.

2. The method of claim 1, wherein a fluid is used to locate said spacers on said mould.

15                   3. The method of claim 1, wherein a spraying method is used to locate said spacers on said mould.

20                   4. The method of claim 1, wherein said method further comprises temporarily fixing said spacers in said trenches when said spacers fall into said trenches.

5. The method of claim 4, wherein said trenches penetrate said mould.

25                   6. The method of claim 5, further comprising providing a second substrate, wherein said second substrate is brought into contact with said

mould and a viscous substance is formed on said second substrate for temporarily fixing said spacers when said spacers fall into said trenches.

7. The method of claim 6, wherein said viscous substance is  
5 neutralized by UV light.

8. The method of claim 7, wherein said method further comprises using a UV light to illuminate said second substrate to neutralize said viscous substance and then removing said spacers from said mould.

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9. The method of claim 4, wherein said method further comprises providing a static electricity fixing apparatus to fix said spacers having fallen into said trenches.

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10. The method of claim 1, wherein the spacer is cruciform.

11. The method of claim 10, wherein said cruciform spacer is arranged in a diagonal of a trench.

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12. The method of claim 1, wherein said spacer is rectangular.

13. The method of claim 1, wherein an open area of said trench is larger than a bottom area of said trench.

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14. The method of claim 1, wherein said trench further comprises at least a bulge.

15. A method for forming spacers on a substrate, said method

comprising the following steps of:

forming a plurality of trenches in a mould, wherein said trenches penetrate said mould;

5       coating a viscous substance on a first substrate, wherein said viscous substance is neutralized by UV light;

      bonding said first substrate to said mould, wherein said trenches on said mould partially expose said viscous substance;

      locating a plurality of spacers on said mould;

10      vibrating said mould to make said spacers fall into said trenches, wherein said spacers are temporarily fixed in said trenches by said viscous substance;

      coating a glue on a second substrate;

      brining said second substrate into contact with said mould to make said spacers adhere to said second substrate; and

15       removing said spacers from said trenches.

16. The method of claim 15, wherein a fluid is used to locate said spacers on said mould.

20       17. The method of claim 15, wherein a spraying method is used to locate said spacers on said mould.

18. The method of claim 15, wherein said spacer is cruciform.

25       19. The method of claim 18, wherein said cruciform spacer is arranged in a diagonal of a trench.

20. The method of claim 15, wherein said spacer is rectangular.

21. The method of claim 15, wherein an open area of said trench is larger than a bottom area of said trench.

5           22. The method of claim 15, wherein said trench further comprises at least a bulge.